CSE 344
Section 3 [Srini]

1. Connecting to Azure and running queries
2. Nested Queries

Connect to Azure

- Hostname: wsxq8lmids.database.windows.net

- Username: <your UW id>

- Password: <yourpass>

- Databases: master and IMDB

Connect using Web interface

- Install Silverlite
  - http://www.microsoft.com/getsilverlight/Get-Started/Install/Default.aspx

- Visit https://wsxq8lmids.database.windows.net

- Enter connection details to login

- Change password by logging into the master db

  ALTER LOGIN yourlogin WITH PASSWORD='some_new_password' OLD_PASSWORD = 'old_pass'

Using SQL Management Studio

- Use one of the lab windows machines OR connect to a virtual windows instance using VDI

- http://vdi.cs.washington.edu/vdi/

Nested queries

Subqueries in SELECT

```
SELECT DISTINCT C.cname, (SELECT count(*)
                          FROM Product P
                          WHERE P.cid=C.cid)

FROM  Company C
```

Subqueries in FROM

```
SELECT X.pname
FROM (SELECT * FROM Product AS Y WHERE price > 20) as X
WHERE X.price < 500
```

Subqueries in WHERE

```
SELECT DISTINCT  C.cname
FROM    Company C
WHERE  EXISTS (SELECT *
               FROM Product P
               WHERE C.cid = P.cid and P.price < 200)
```

subqueries in WHERE

- SELECT ……….. WHERE EXISTS (sub);

- SELECT ……….. WHERE NOT EXISTS (sub);

- SELECT ……….. WHERE attribute IN (sub);

- SELECT ……….. WHERE attribute NOT IN (sub);

- SELECT ……….. WHERE attribute > ANY (sub);

- SELECT ……….. WHERE attribute > ALL (sub);